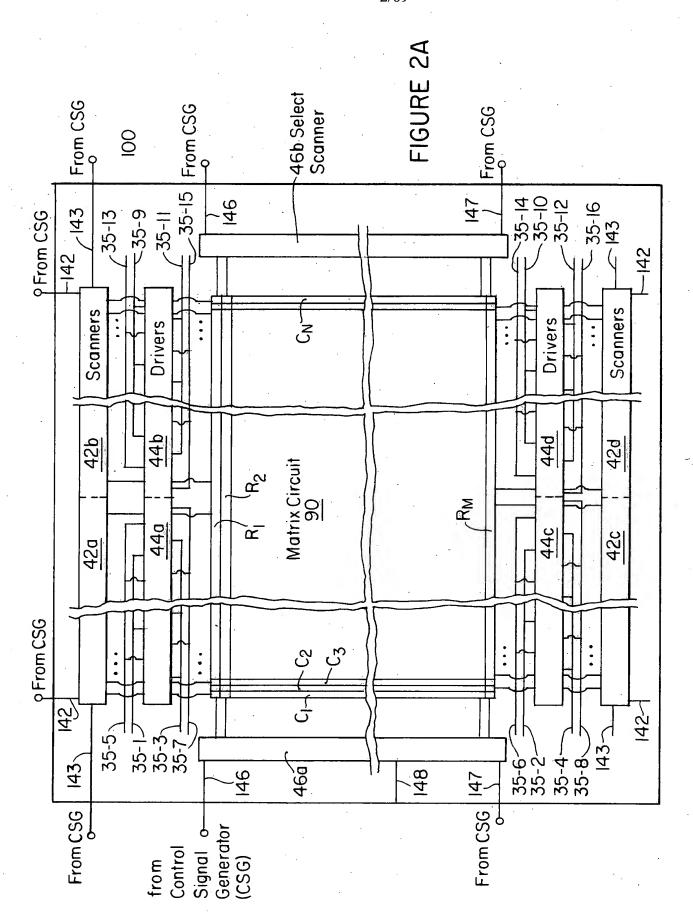
Title: REFLECTIVE MICRODISPLAY FOR ... Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 1/69 DIPE NOV 0 9 200/ 10. 12 55 FIGURE 1 53 72. 52 ,65<sup>°</sup> FIGURE 5B 51 **67** 64 80 68 62 88 65 60 6ĺ 86 69 82 -66 FIGURE 5C FIGURE 5A 170 178 -176 180 FIGURE 4E 172 174

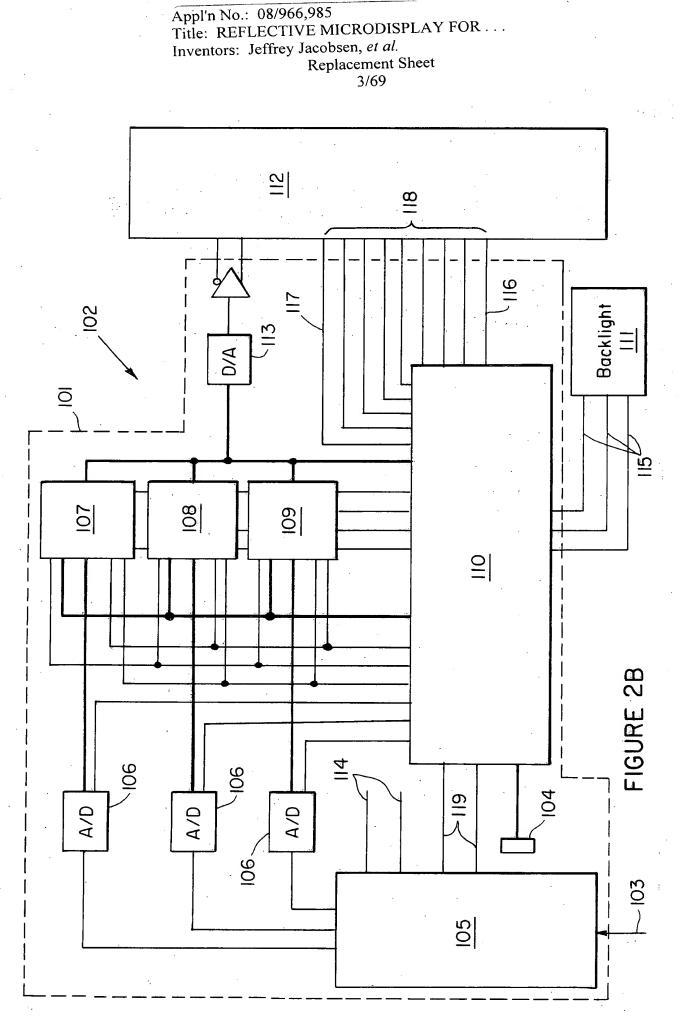
Appl'n No.: 08/966,985

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .

Inventors: Jeffrey Jacobsen, et al. Replacement Sheet

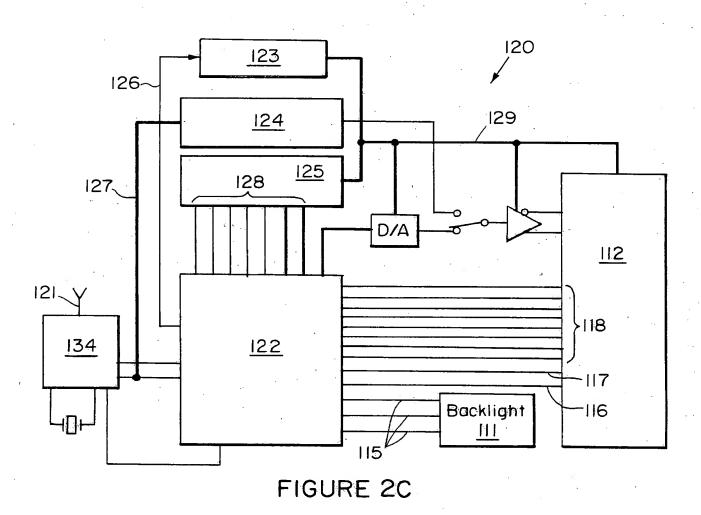
2/69





Title: REFLECTIVE MICRODISPLAY FOR ...

Inventors: Jeffrey Jacobsen, *et al.*Replacement Sheet
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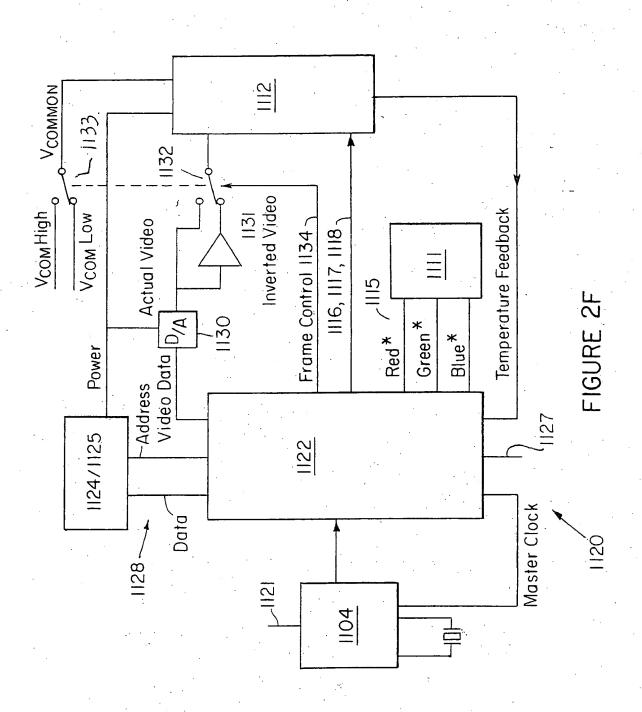
130

FIGURE 2D

Appl'n No.: 08/966,985

Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 5/69 = Vpp VEE Flash LED White White Write Electrical Frame 3 image Flash LED FIGURE 2E White White Write Electrical image Frame 2 Flash LED Write Electrical image White White Frame 1 Response Time Video High Video Low Black Black

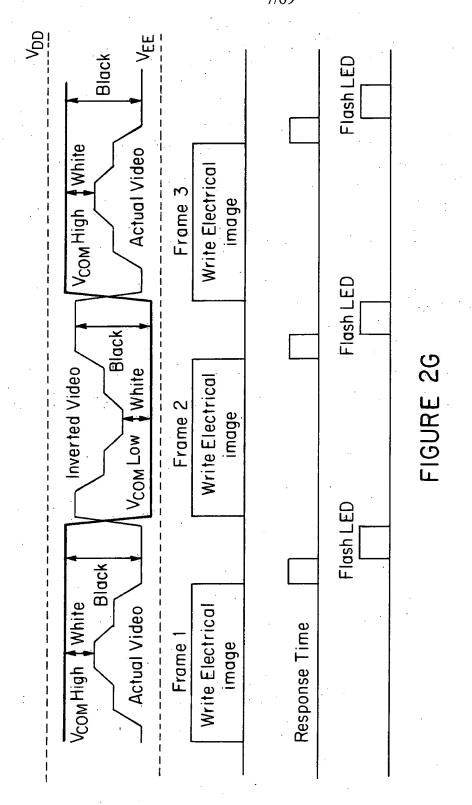
Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Appl'n No.: 08/966,985 Title: REFLECTIVE MICRODISPLAY FOR...

Inventors: Jeffrey Jacobsen, et al.

Replacement Sheet 7/69



Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
8/69

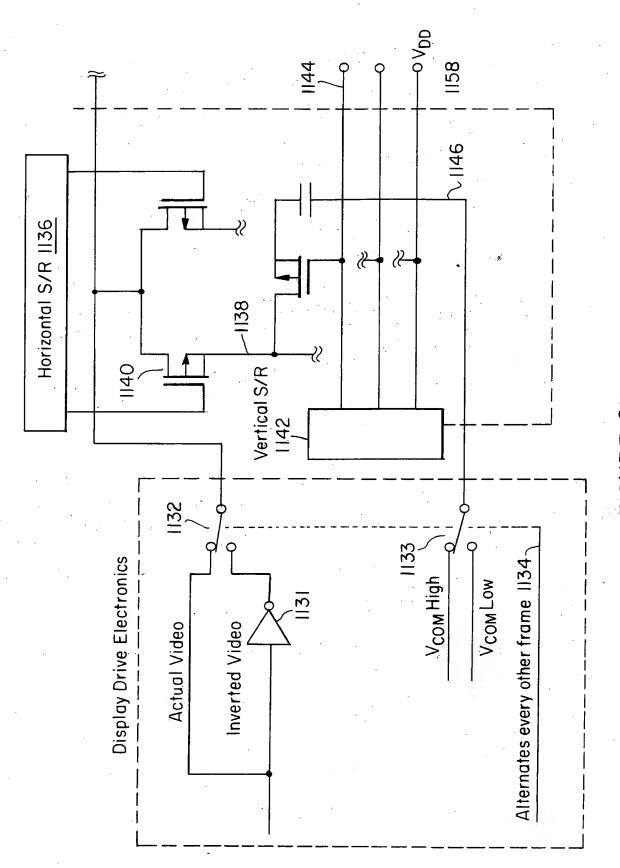
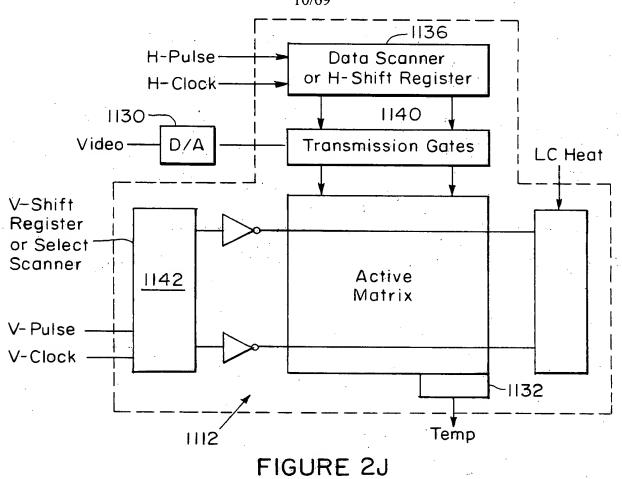


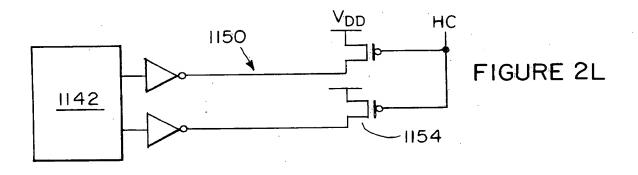
FIGURE 2H

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR... Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 9/69 Vpp Clock Black Blue Write BLUE Frame 2 Black RED R Red Write RED GREEN Black FIGURE 2I Green  $\mathbb{F}$ Write GREEN Black Inverted Video VCOM LOW -Subframe 2 Blue Frame 1 R Write BLUE Black RED Subframe 1 V<sub>COM</sub> High RT Actual Video Red Heat Cycle Flash LED Write RED

Title: REFLECTIVE MICRODISPLAY FOR . . . Inventors: Jeffrey Jacobsen, et al.

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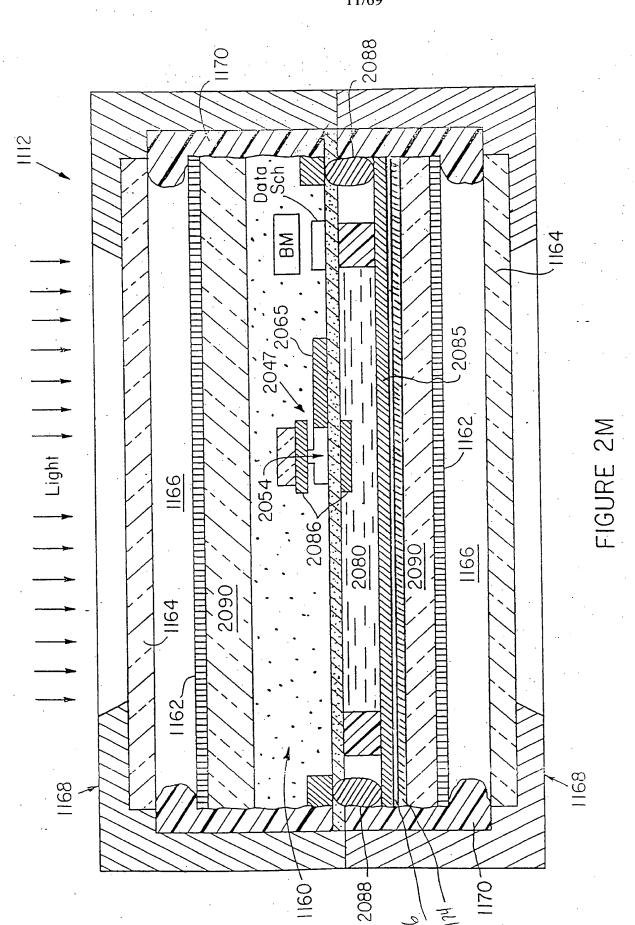




Appl'n No.: 08/966,985

Title: REFLECTIVE MICRODISPLAY FOR...
Inventors: Jeffrey Jacobsen, et al.

Replacement Sheet 11/69

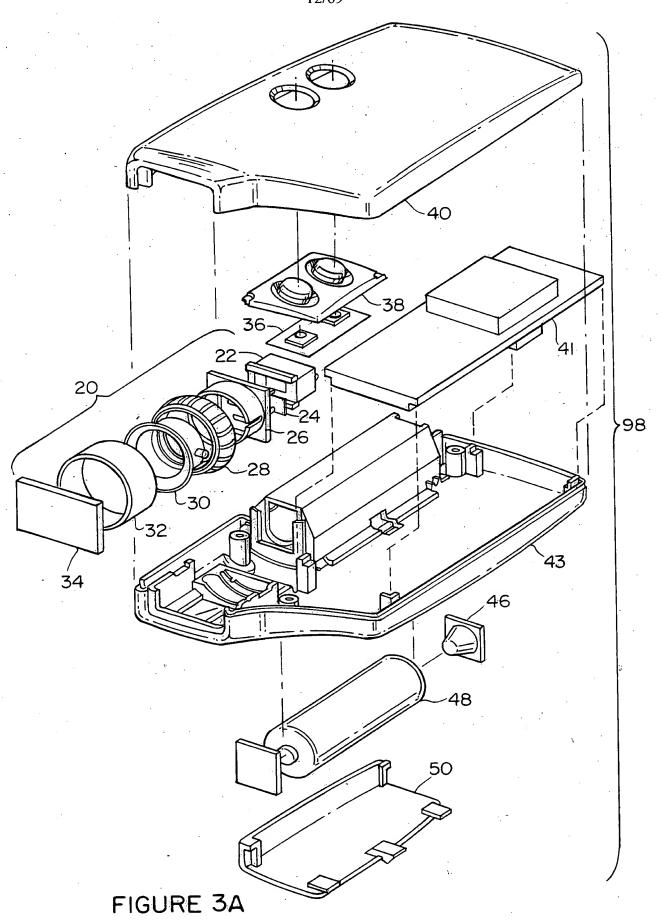


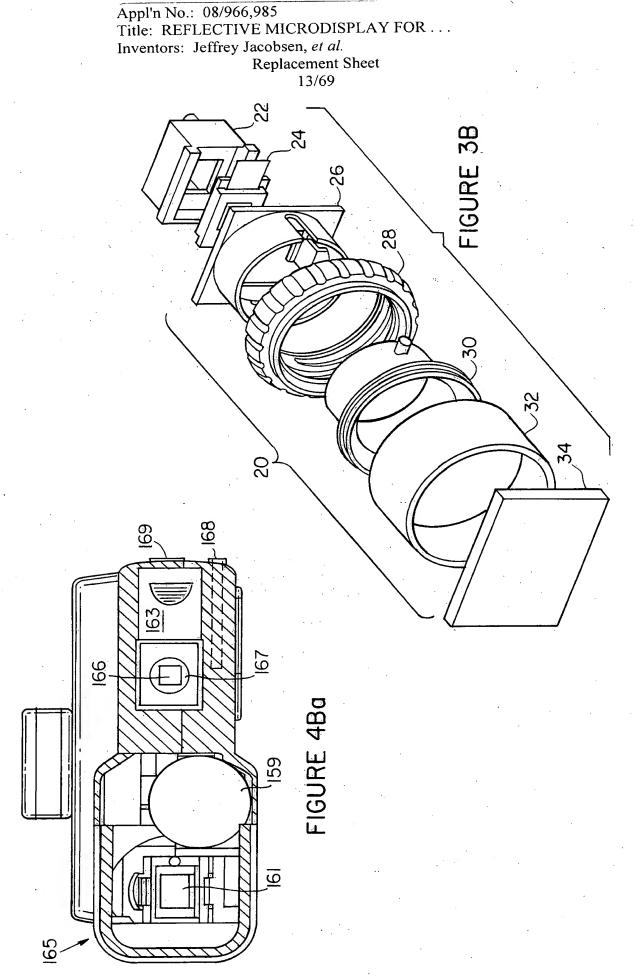
Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR...

Inventors: Jeffrey Jacobsen, et al.

Replacement Sheet

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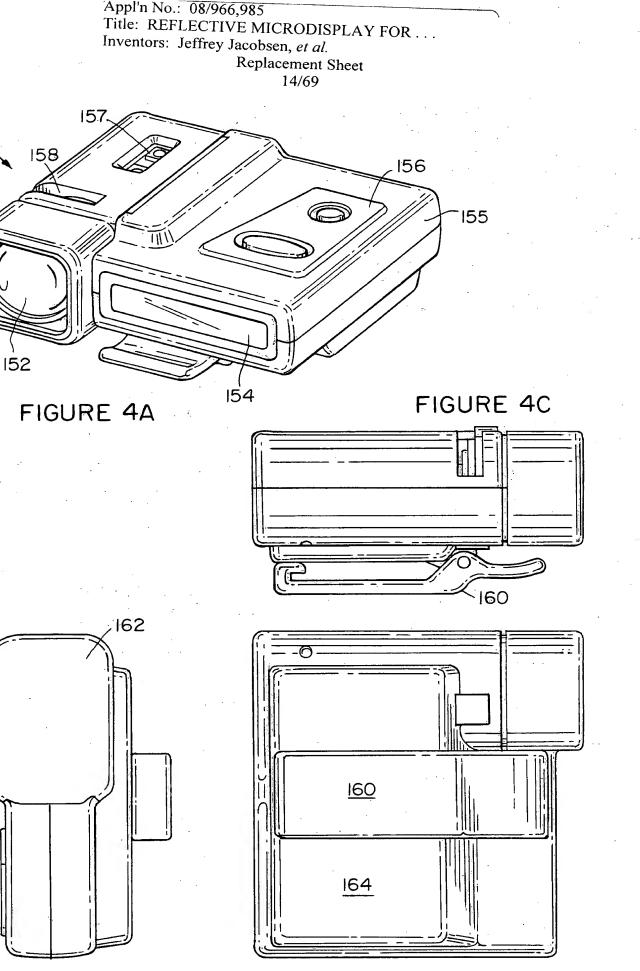


FIGURE 4B

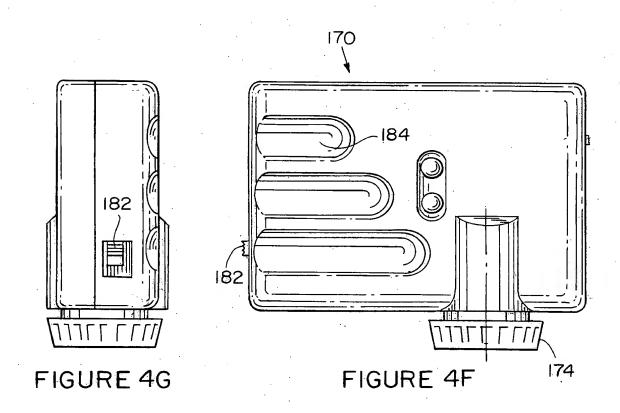
150

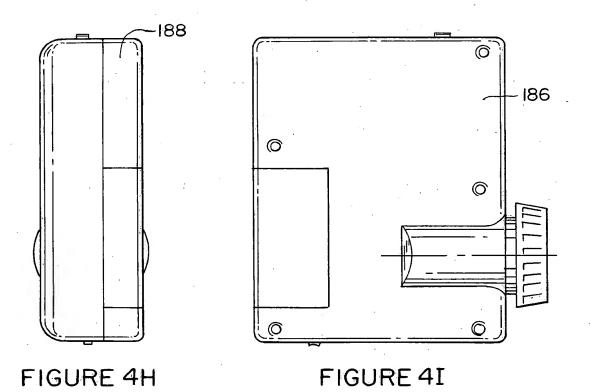
FIGURE 4D

Appl'n No.: 08/966,985 Title: REFLECTIVE MICRODISPLAY FOR...

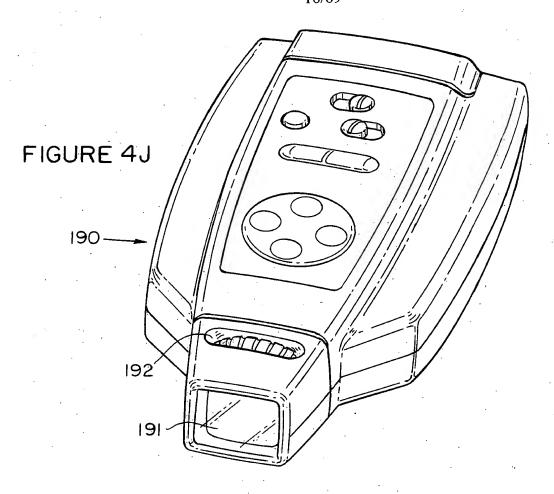
Inventors: Jeffrey Jacobsen, et al.

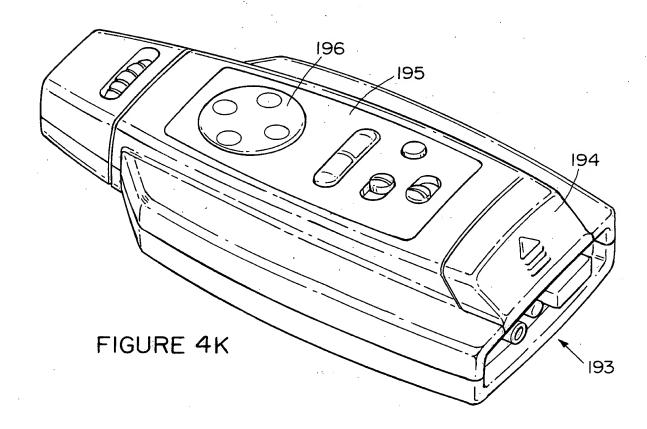
Replacement Sheet 15/69





Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR...
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Title: REFLECTIVE MICRODISPLAY FOR . . .

Inventors: Jeffrey Jacobsen, et al.

Replacement Sheet 17/69

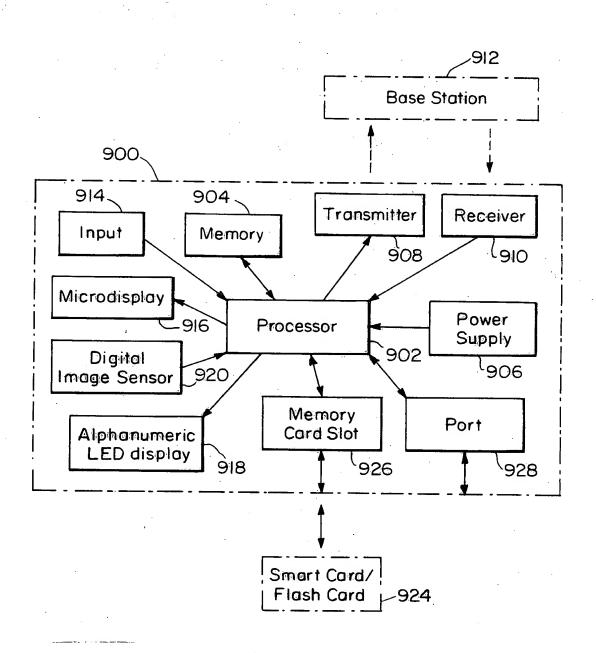
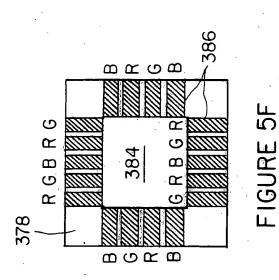


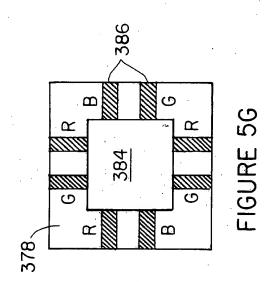
FIGURE 4L

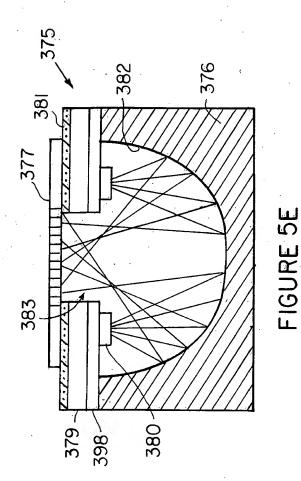
Appl'n No.: 08/966,985 Title: REFLECTIVE MICRODISPLAY FOR . . .

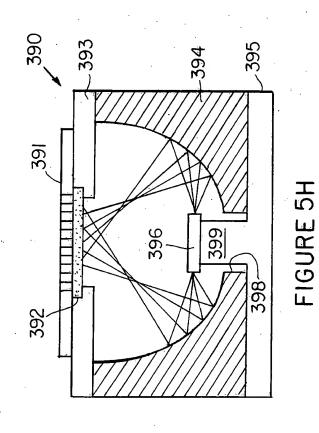
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet

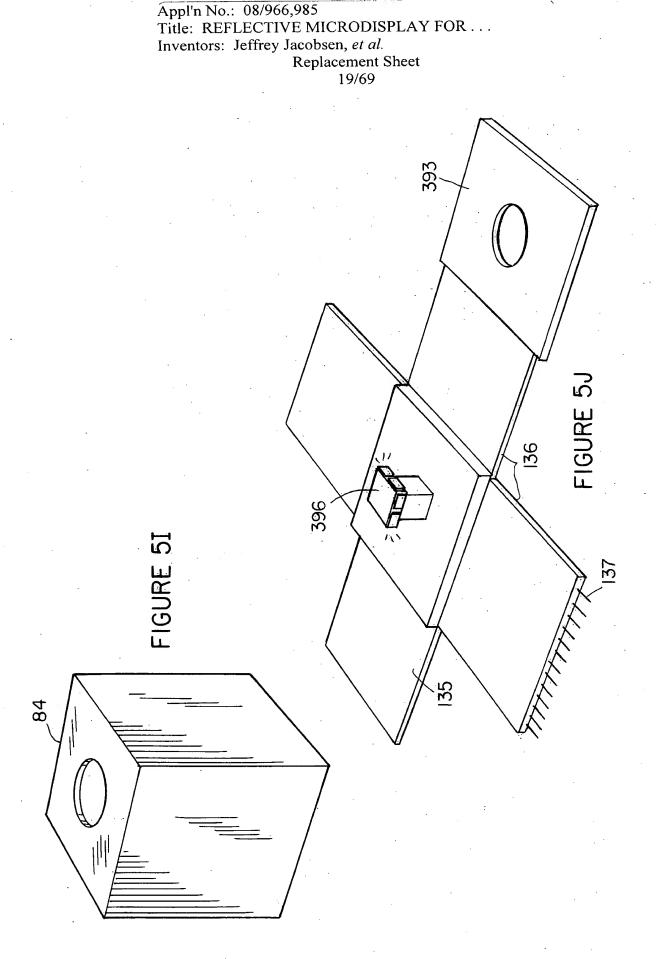
18/69







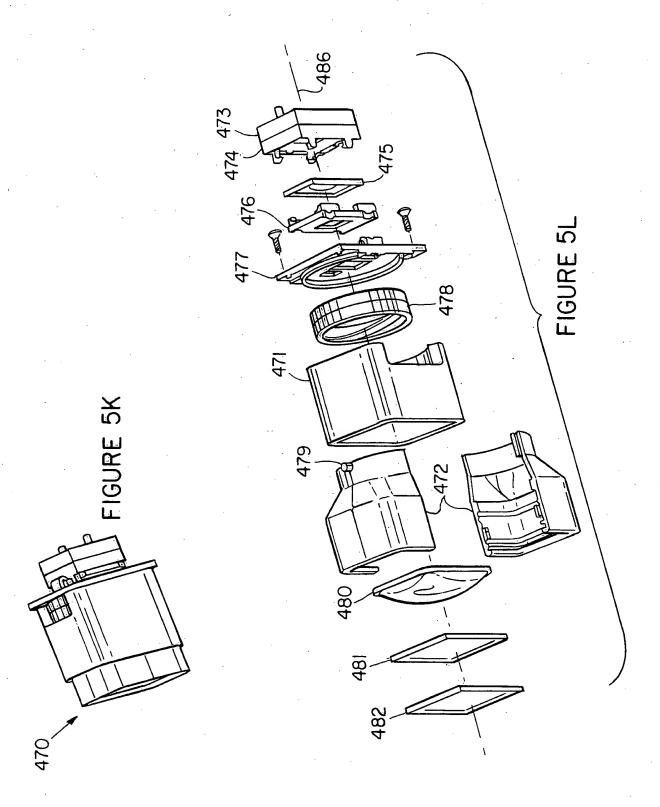




Appl'n No.: 08/966,985

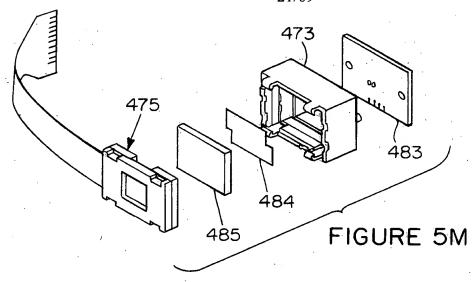
Title: REFLECTIVE MICRODISPLAY FOR...
Inventors: Jeffrey Jacobsen, et al.

Replacement Sheet
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Title: REFLECTIVE MICRODISPLAY FOR . . . Inventors: Jeffrey Jacobsen, et al.

nventors: Jeffrey Jacobsen, *et al.*Replacement Sheet
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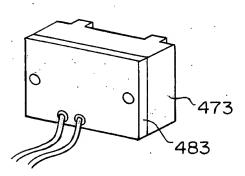


FIGURE 5N

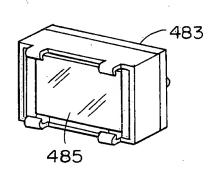
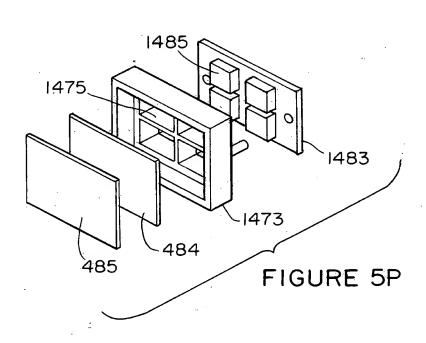


FIGURE 50



Title: REFLECTIVE MICRODISPLAY FOR ...

Inventors: Jeffrey Jacobsen, et al.

Replacement Sheet 22/69

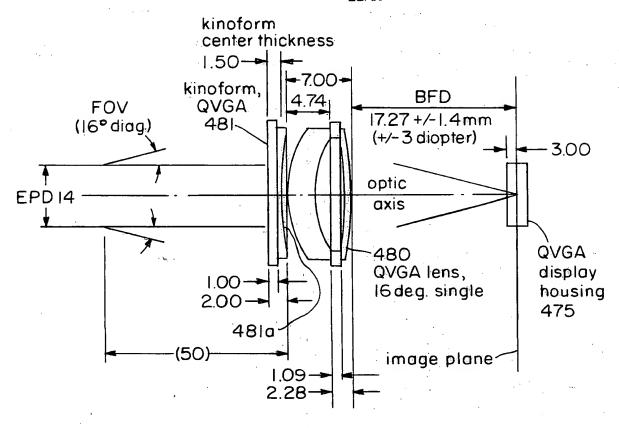


FIGURE 5Q

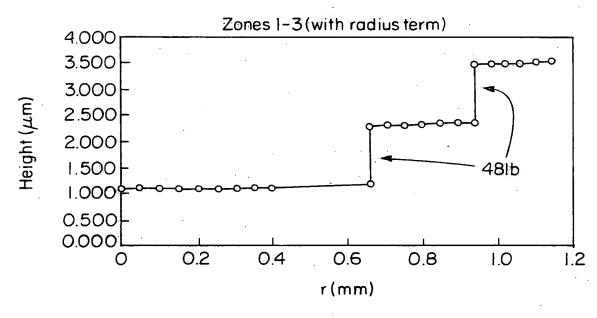
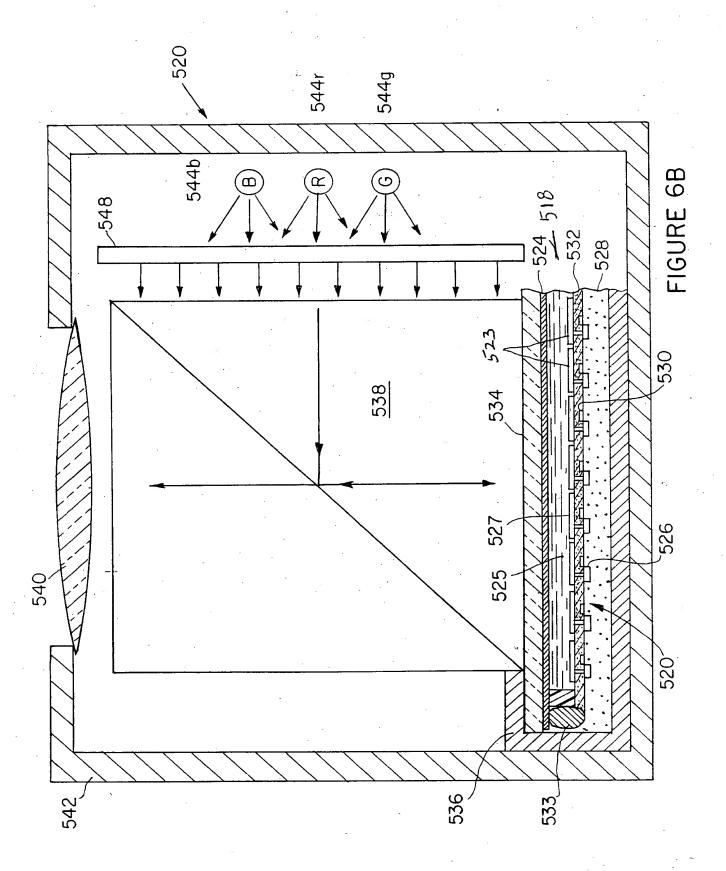


FIGURE 5R

Appl'n No.: 08/966,985 Title: REFLECTIVE MICRODISPLAY FOR . . . Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 23/69 G G 72 40Ó FIGURE 7A FIGURE 5D FIGURE 7C FIGURE 7B 

FIGURE 6A

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Title: REFLECTIVE MICRODISPLAY FOR . . .

Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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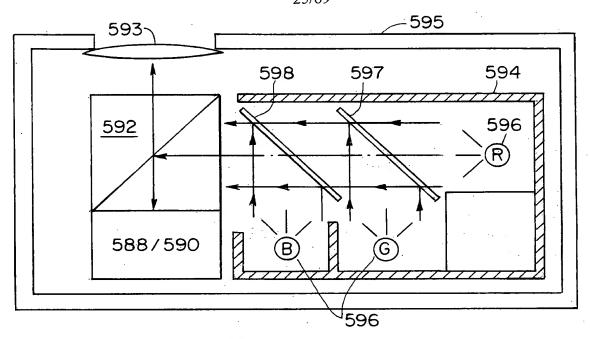
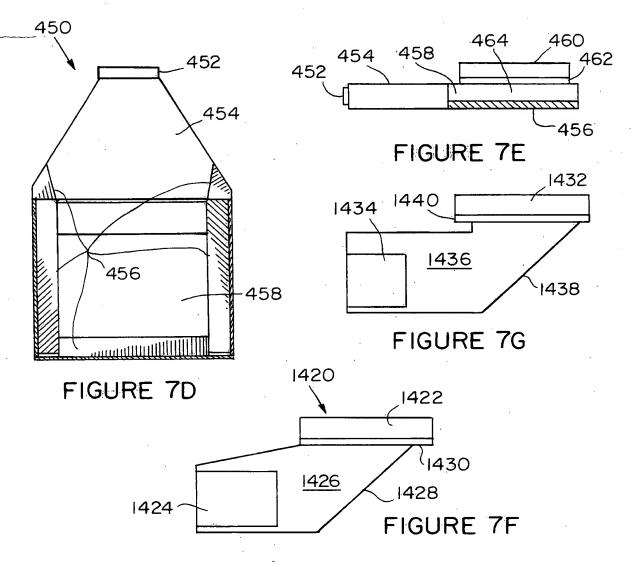
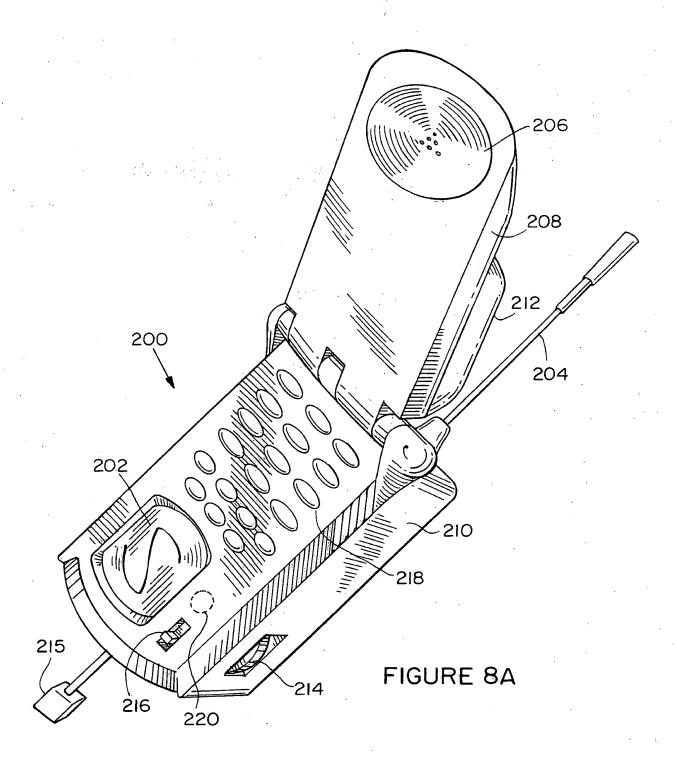


FIGURE 6C

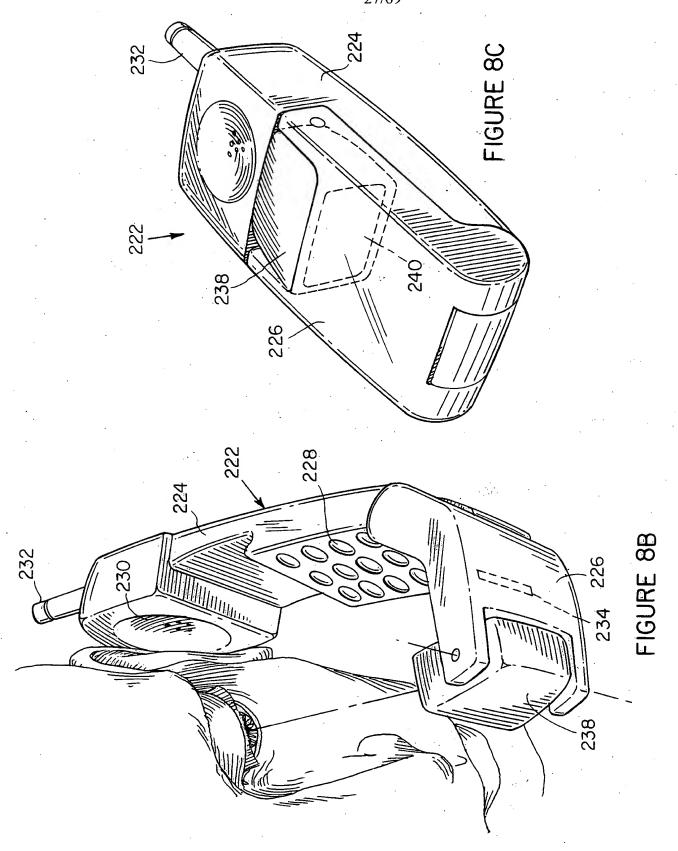


Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR...

Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 26/69



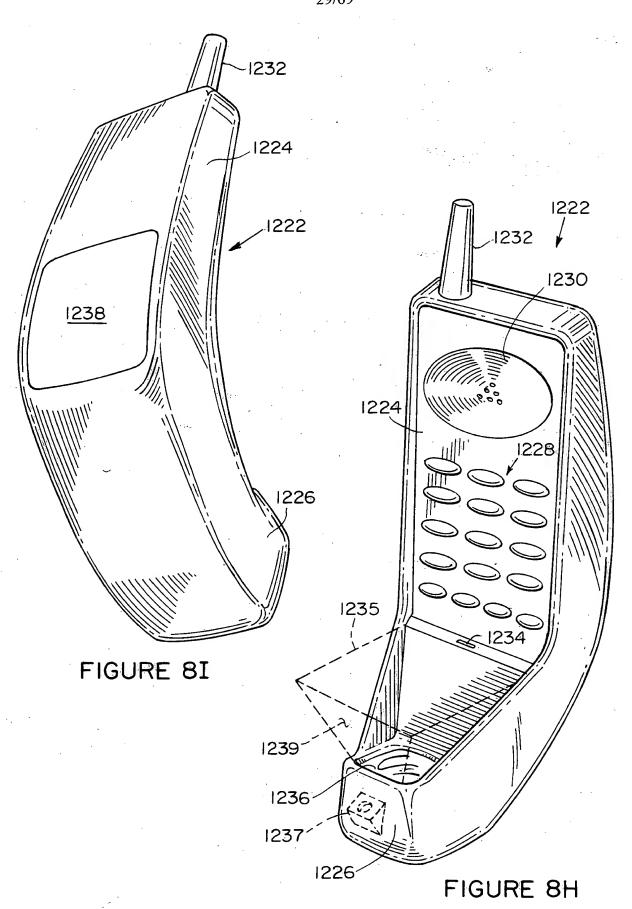
Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR...
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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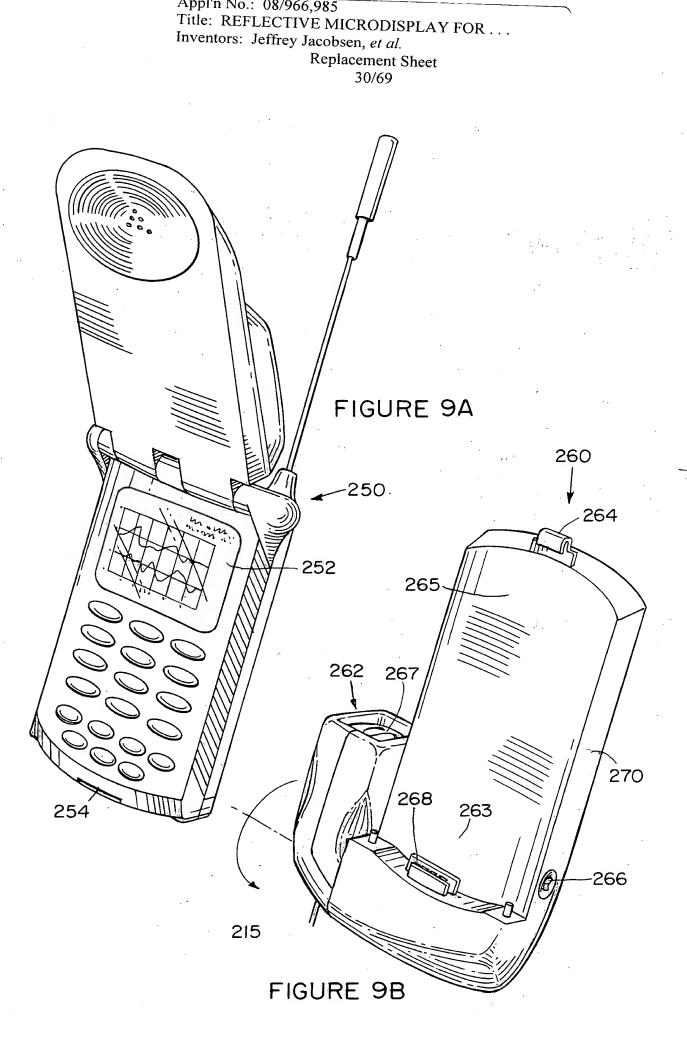


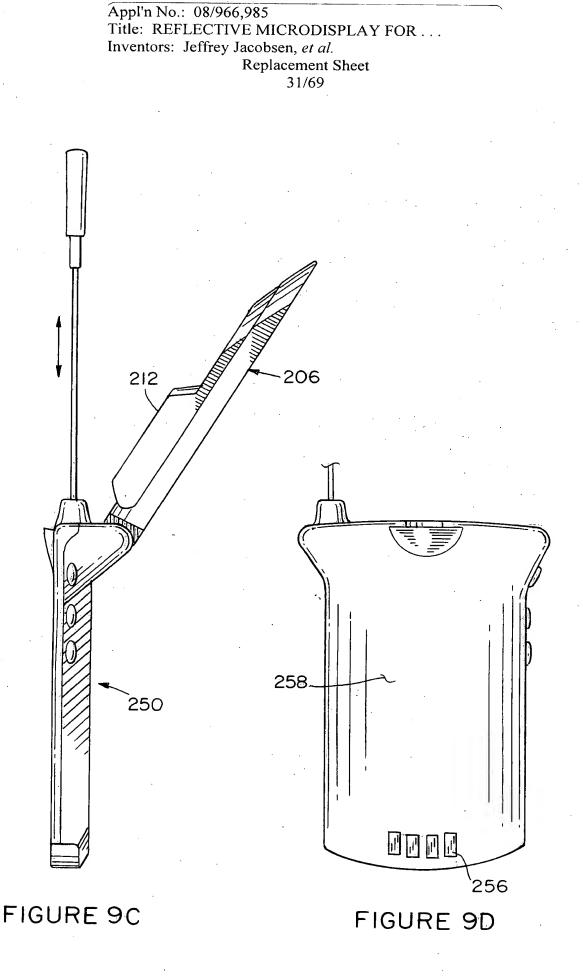
Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
28/69 FIGURE 8D FIGURE 8F Image seen 636-8888 J. Doe 408-Can view text photos, drawings, e-mail messages, etc. Virtual Image seen by viewer High resolution 408-636-8888 FIGURE 8G J. Óoe FIGURE 8E

Appl'n No.: 08/966,985 Title: REFLECTIVE MICRODISPLAY FOR . . .

Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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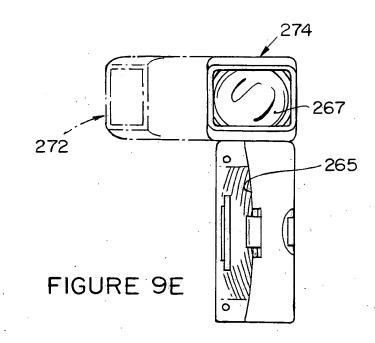






Title: REFLECTIVE MICRODISPLAY FOR ...

Inventors: Jeffrey Jacobsen, *et al.*Replacement Sheet
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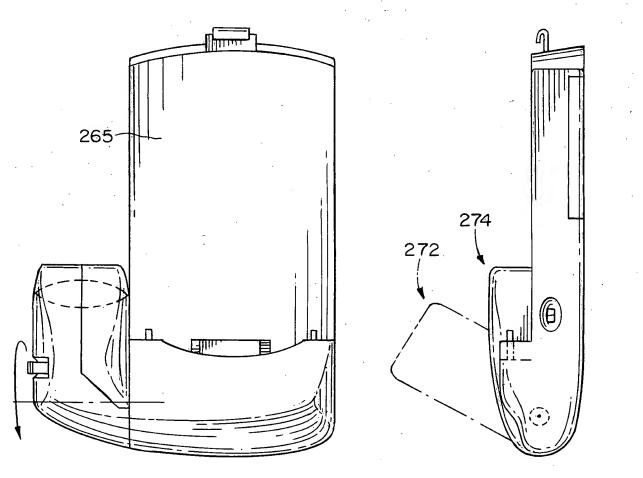
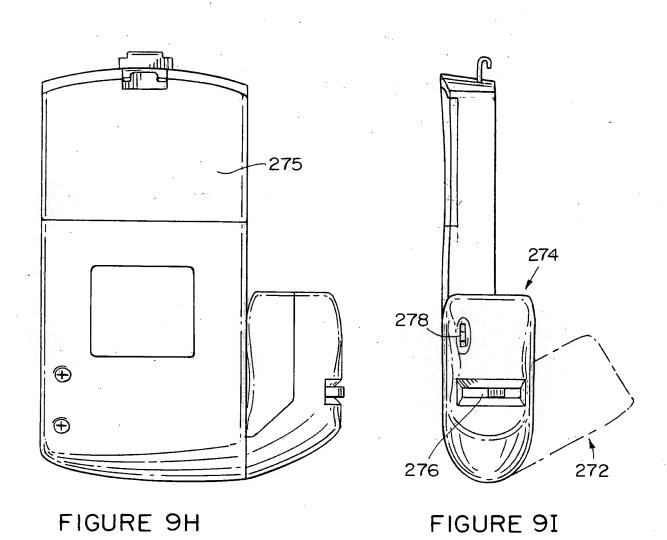


FIGURE 9F

FIGURE 9G

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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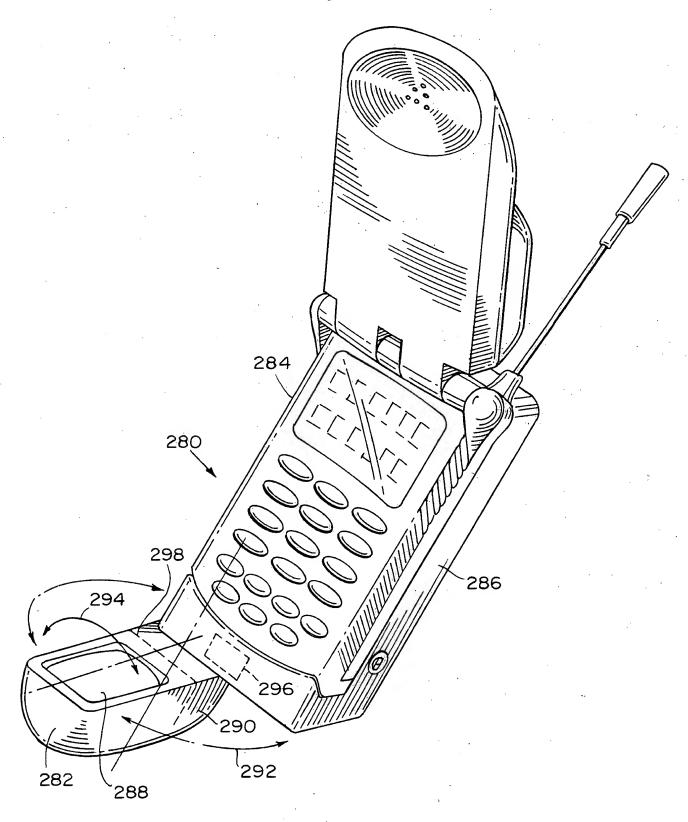
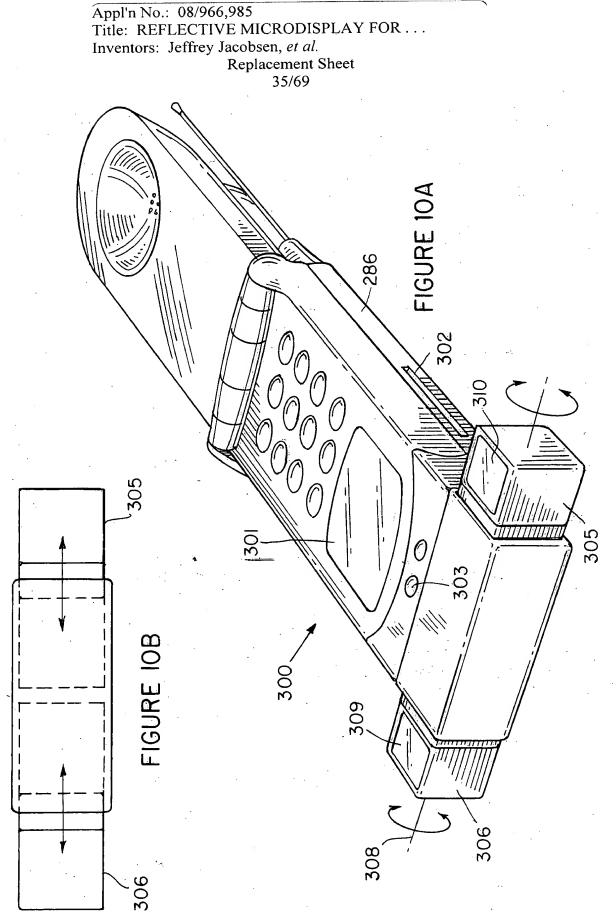


FIGURE 9J



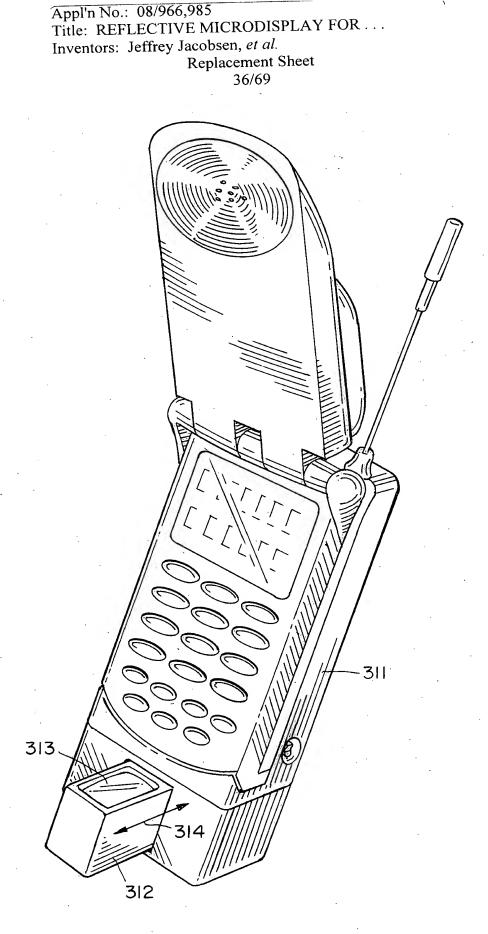
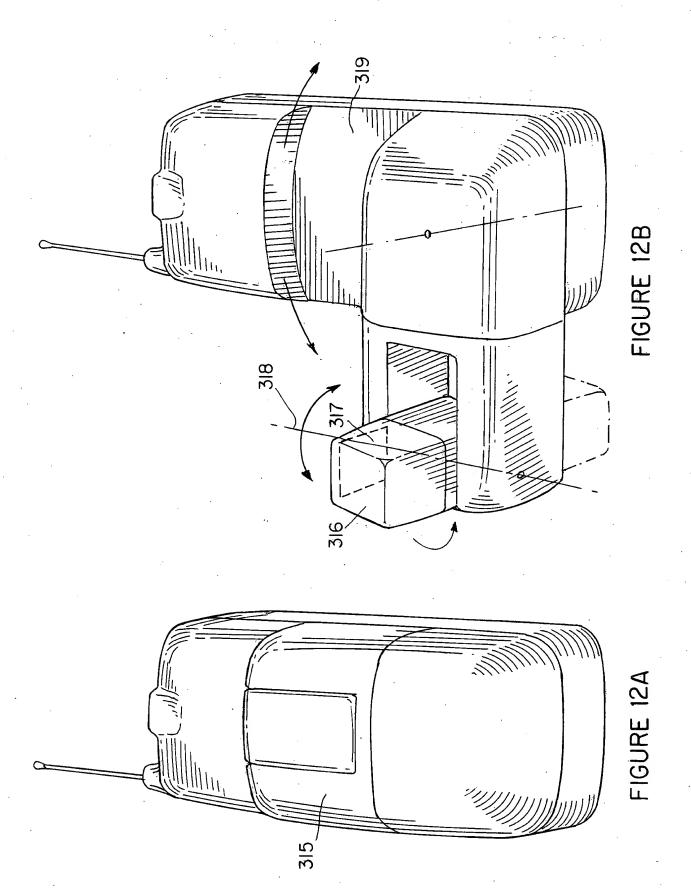
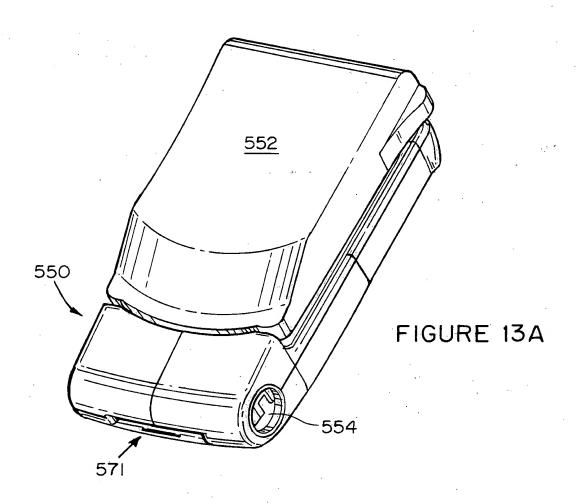


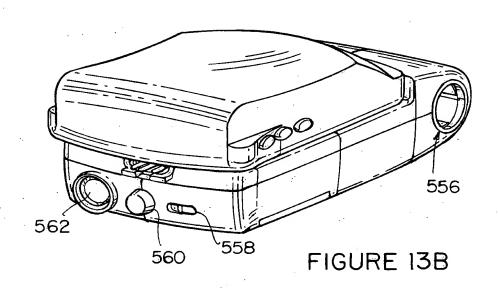
FIGURE 11

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR...
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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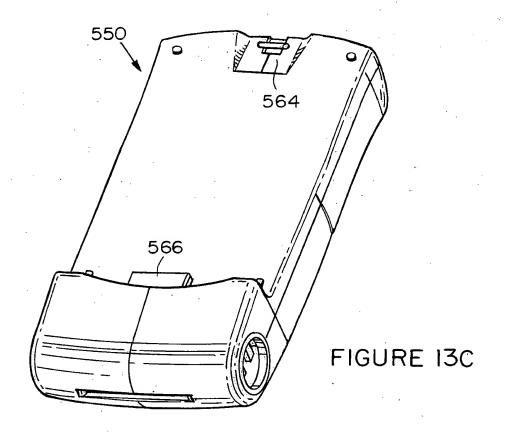


Inventors: Jeffrey Jacobsen, et al.
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Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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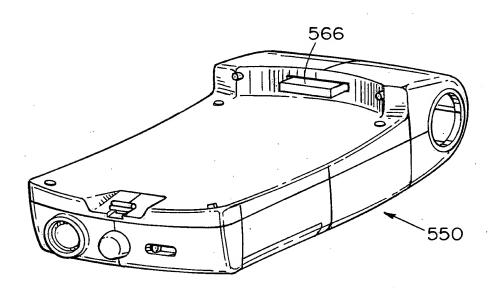


FIGURE 13D

Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet 40/69

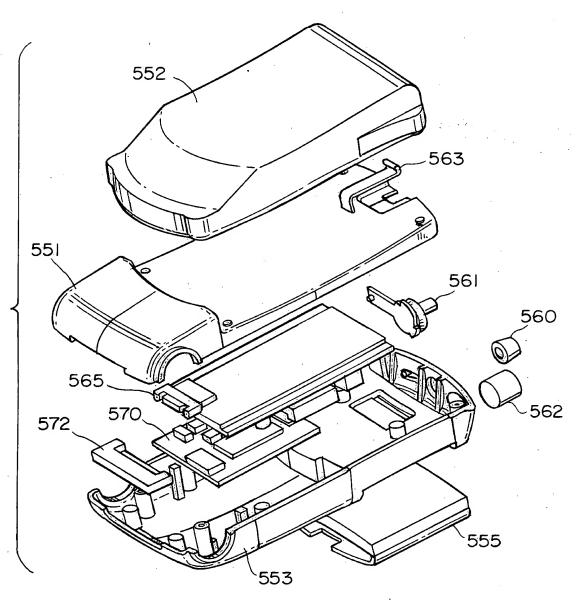
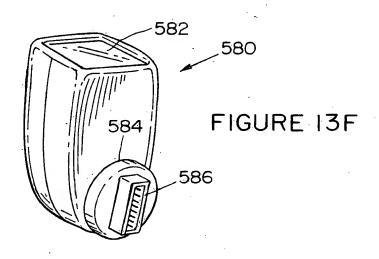


FIGURE 13E



Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 41/69

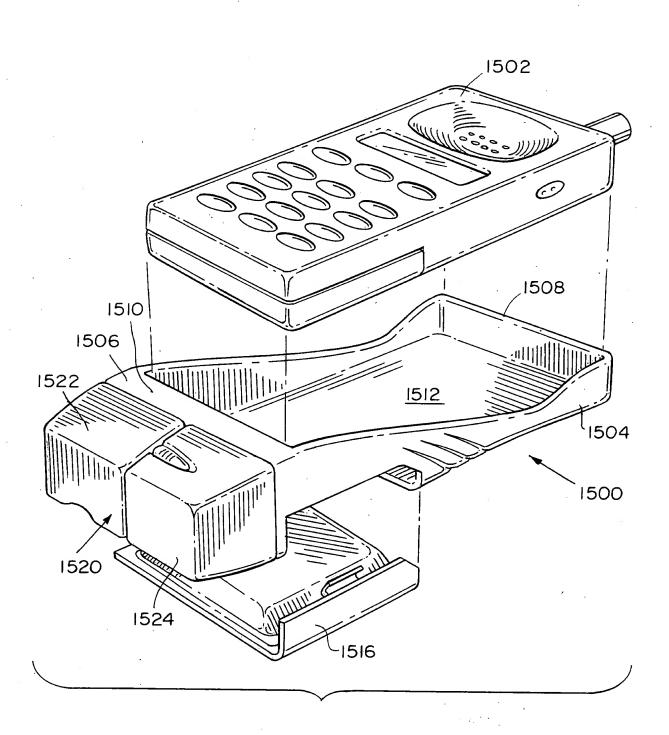
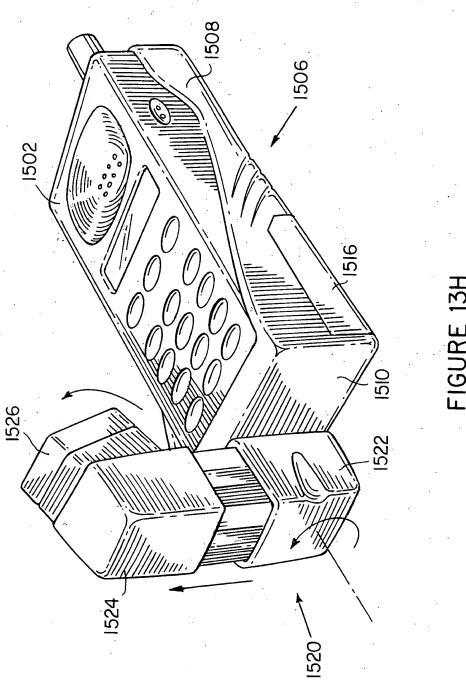


FIGURE 13G

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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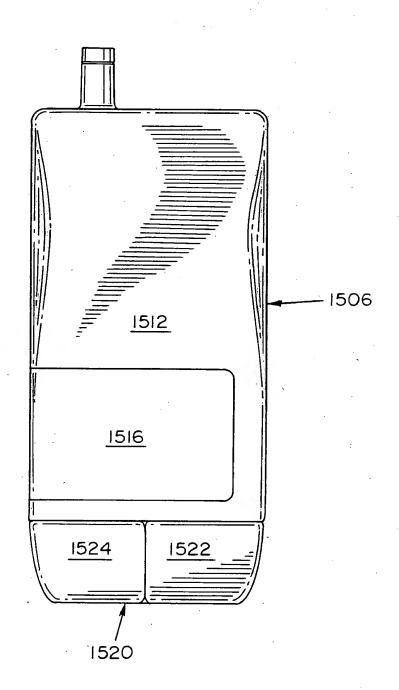
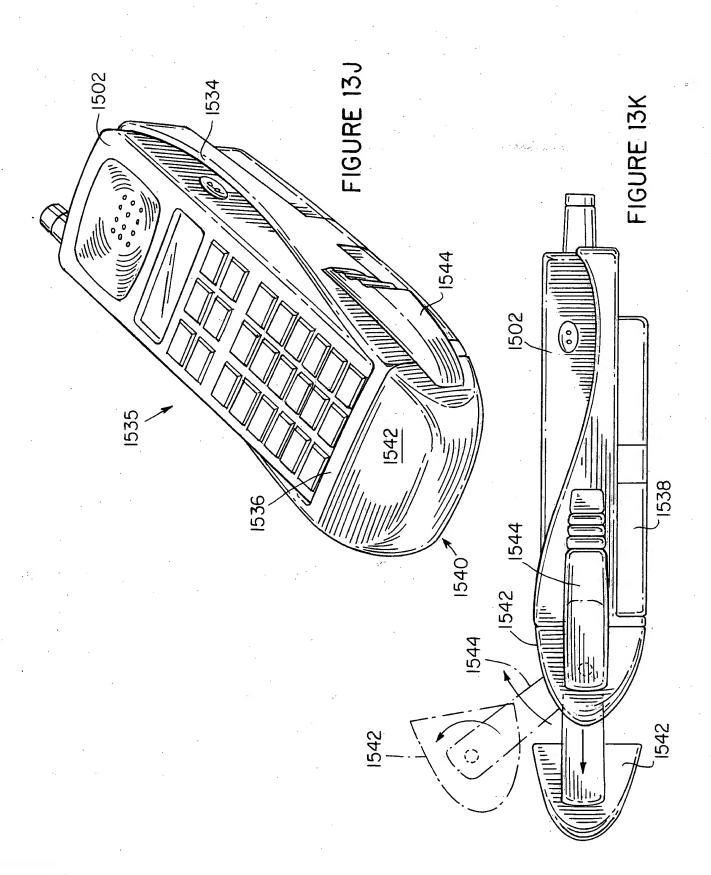


FIGURE 13I

Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 45/69

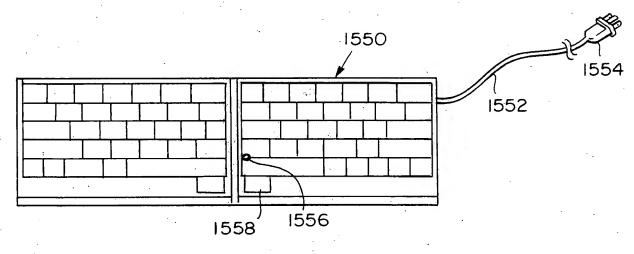


FIGURE 13L

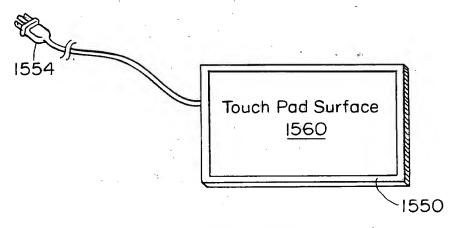


FIGURE 13M

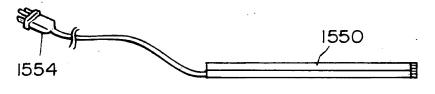
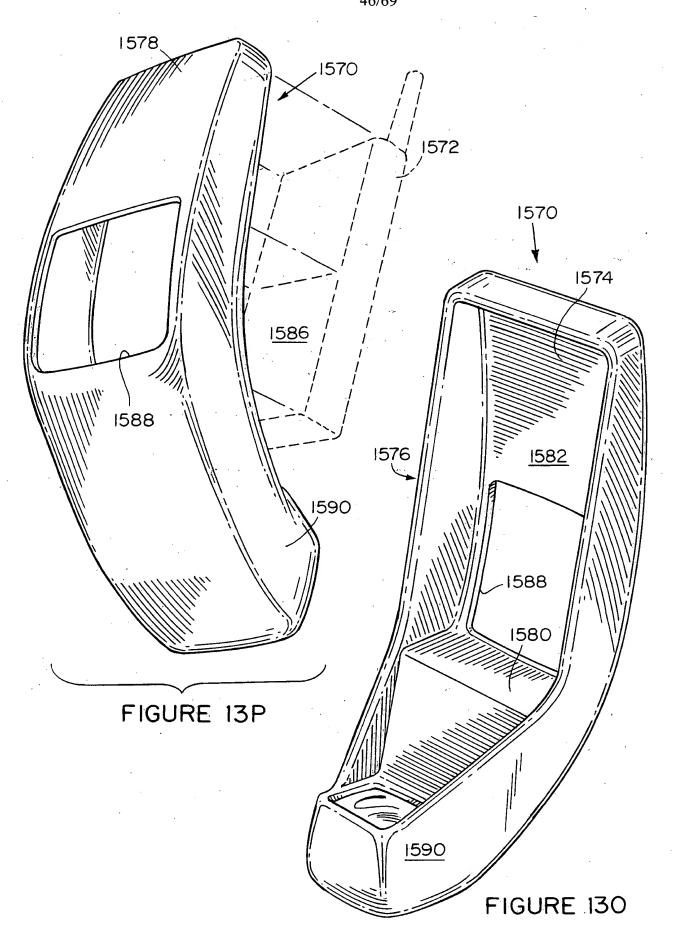


FIGURE 13N

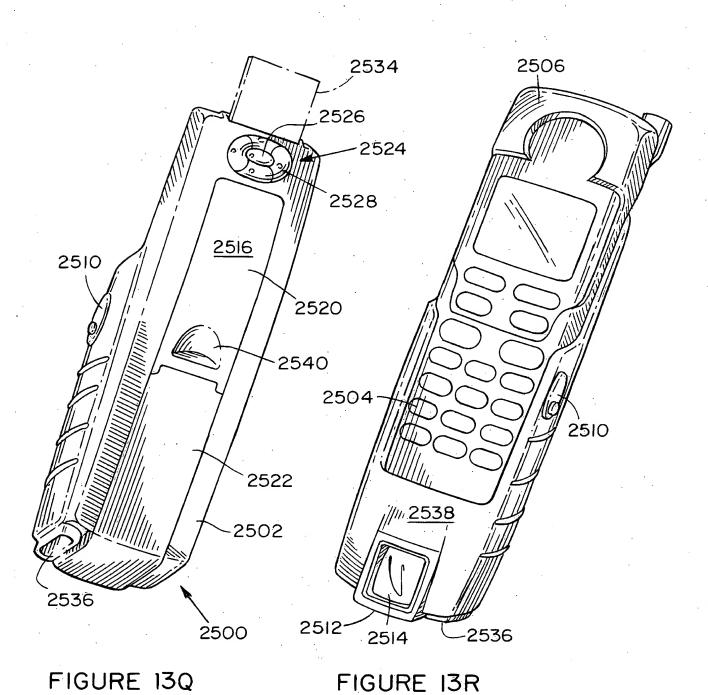
Appl'n No.: 08/966,985

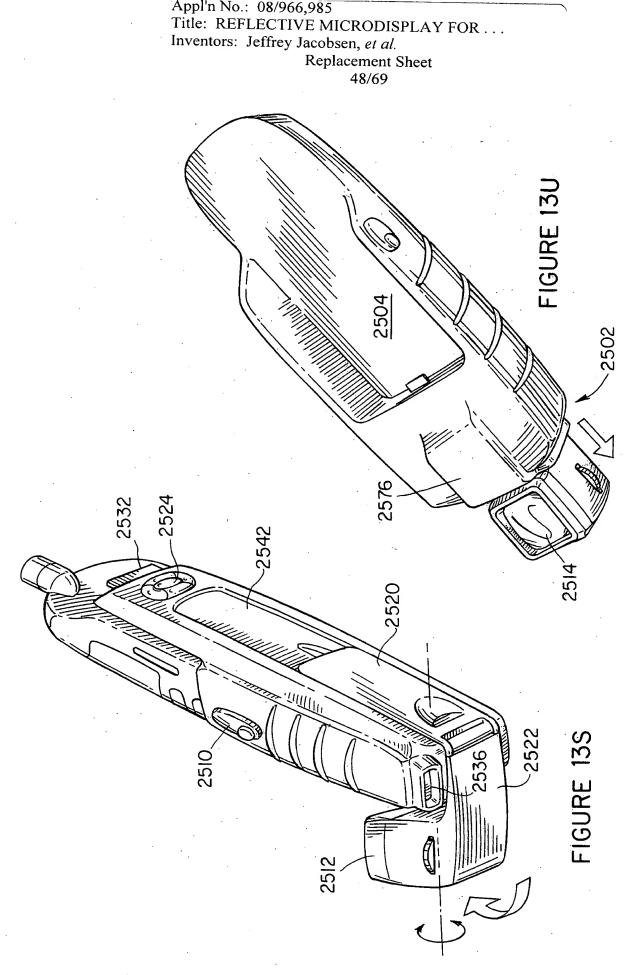
Title: REFLECTIVE MICRODISPLAY FOR...
Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 46/69



Inventors: Jeffrey Jacobsen, et al. Replacement Sheet

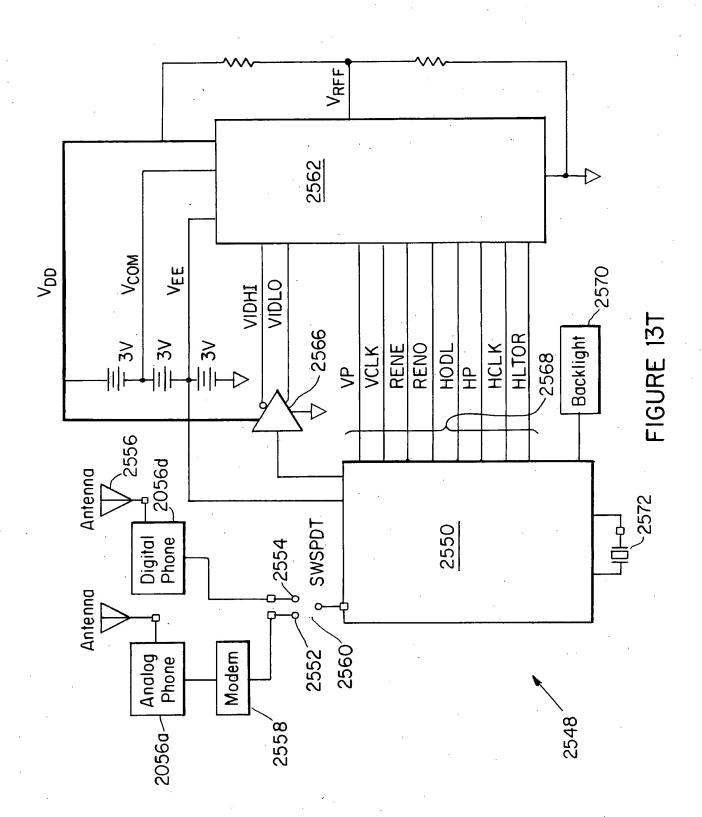
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Inventors: Jeffrey Jacobsen, et al.

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Title: REFLECTIVE MICRODISPLAY FOR ...

Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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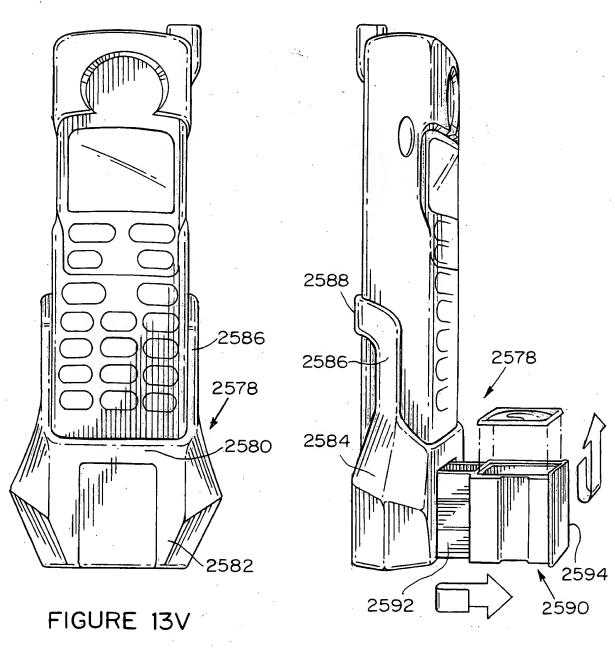


FIGURE 13W

Inventors: Jeffrey Jacobsen, et al.

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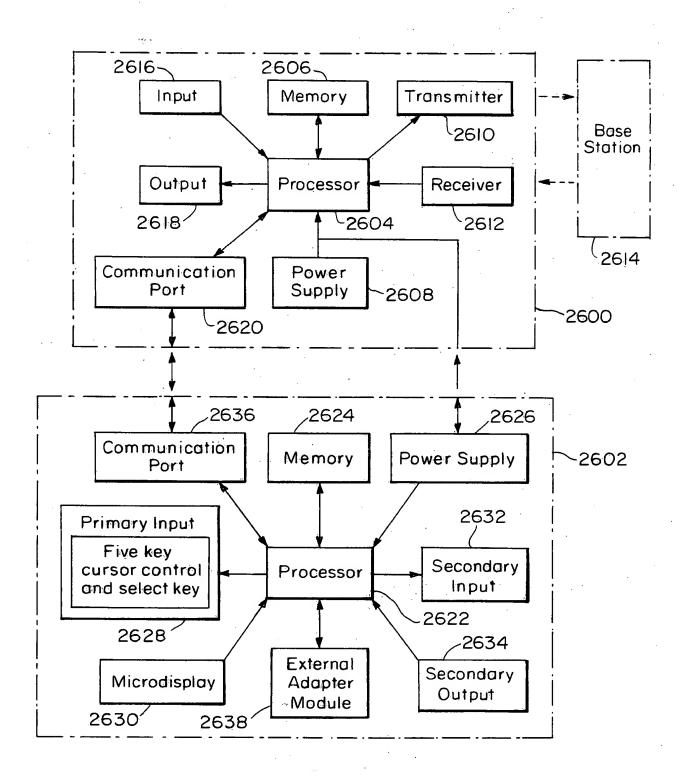
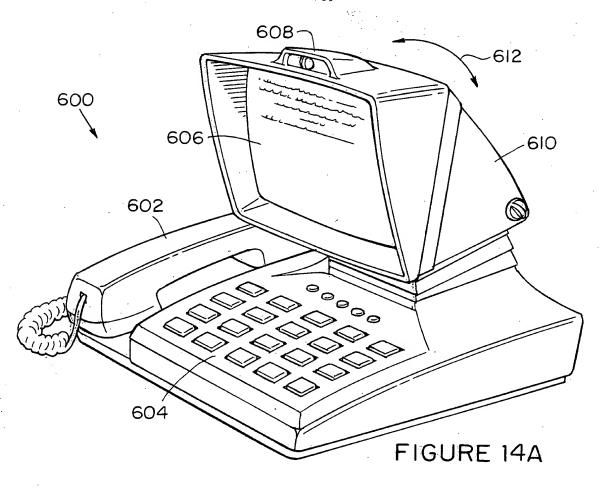


FIGURE 13X



Appin No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR ...
Inventors: Jeffrey Jacobsen, et al.
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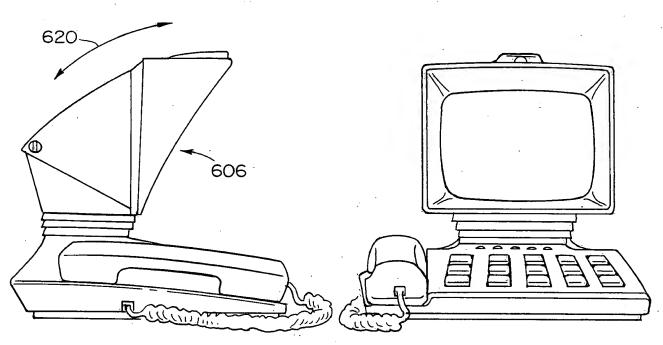
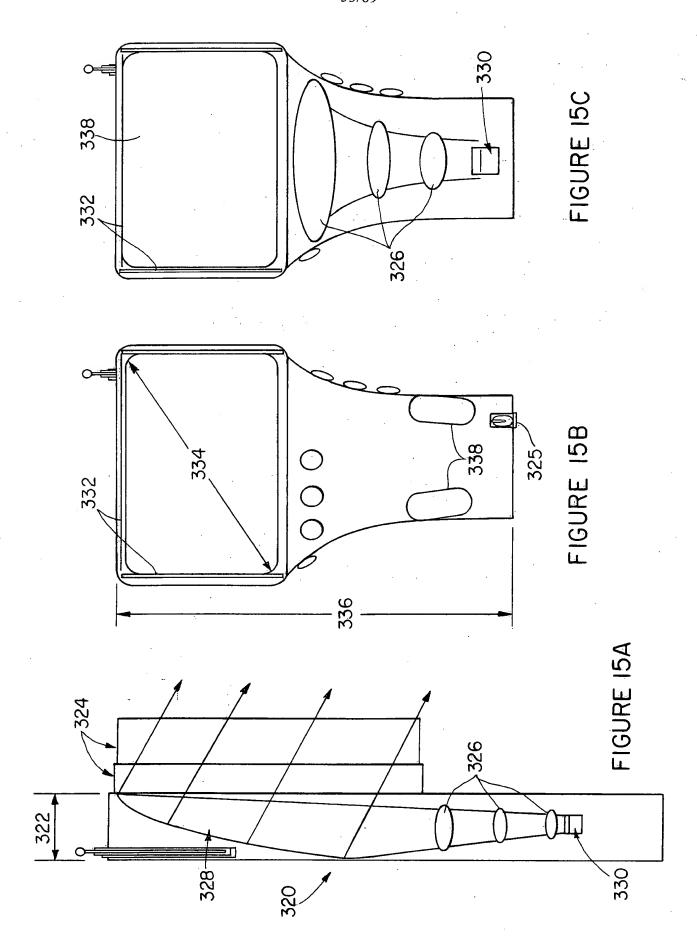


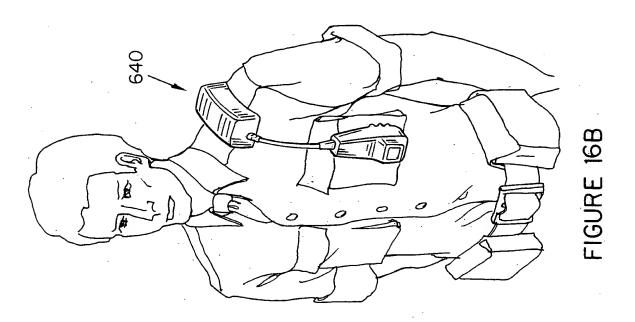
FIGURE 14B

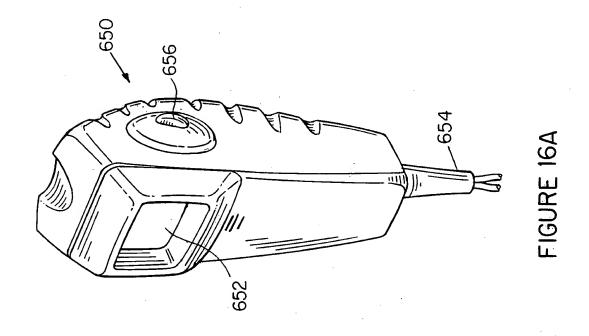
FIGURE 14C

Title: REFLECTIVE MICRODIST E. . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Appl'n No.: 08/966,985
Title: REFLECTIVE MICRODISPLAY FOR . . .
Inventors: Jeffrey Jacobsen, et al.
Replacement Sheet
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Inventors: Jeffrey Jacobsen, et al.
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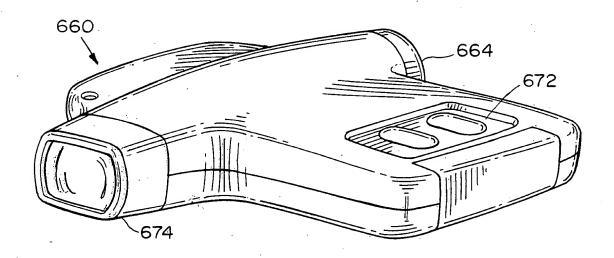


FIGURE 16C

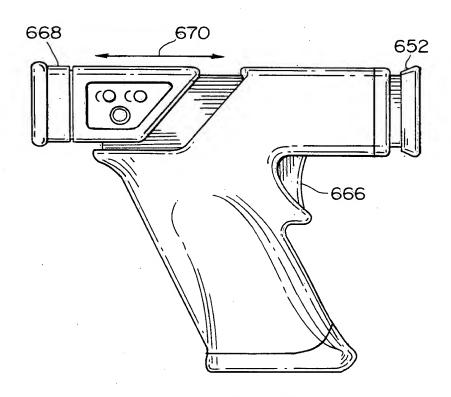
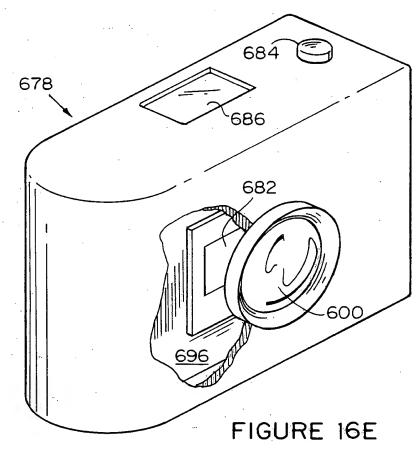


FIGURE 16D

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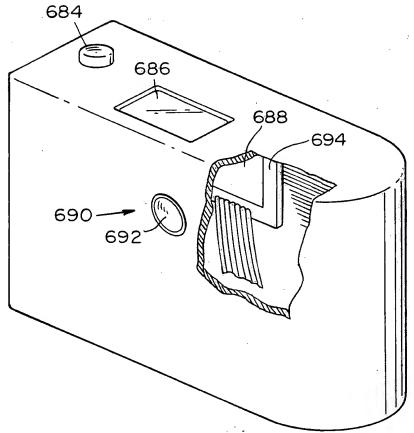
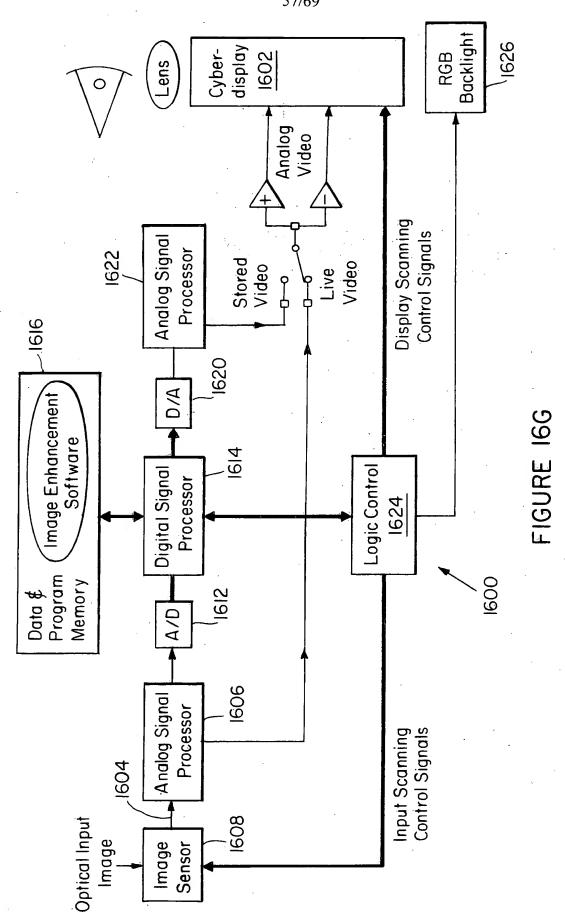


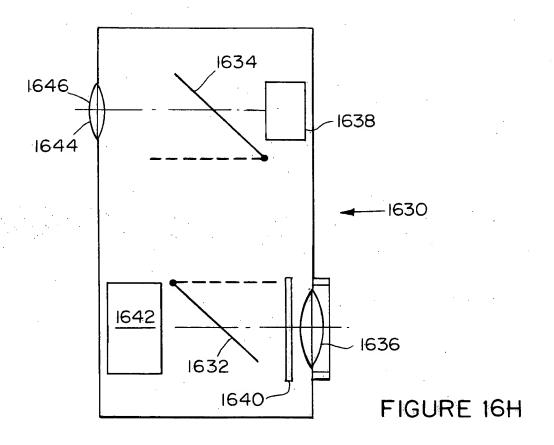
FIGURE 16F

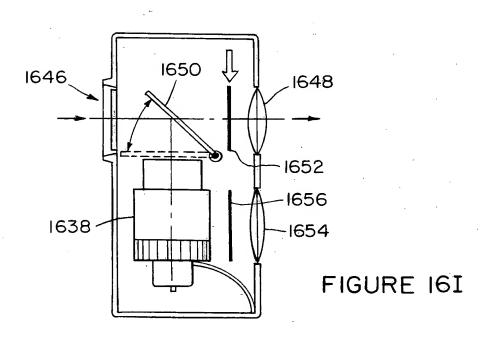
Inventors: Jeffrey Jacobsen, *et al.*Replacement Sheet
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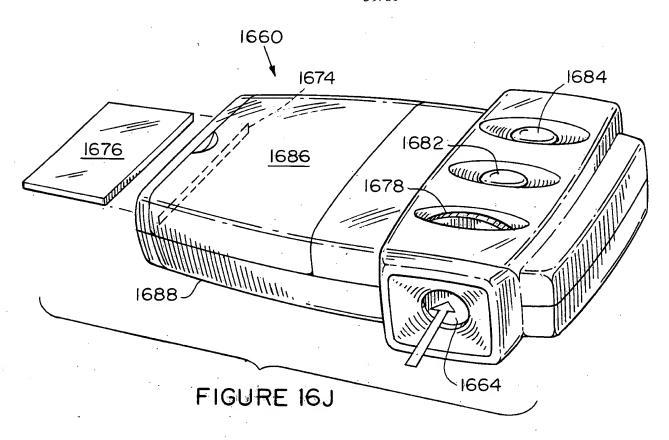
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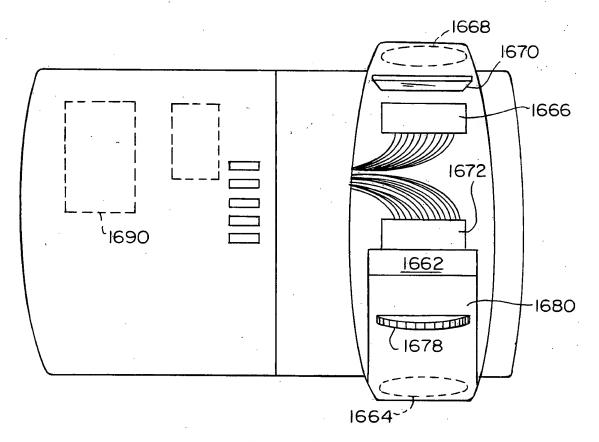
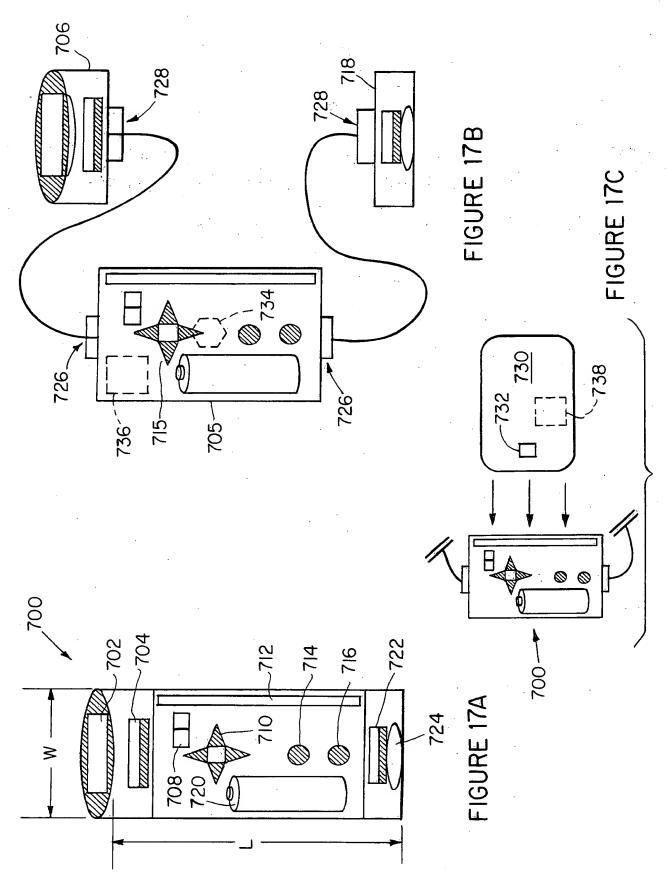


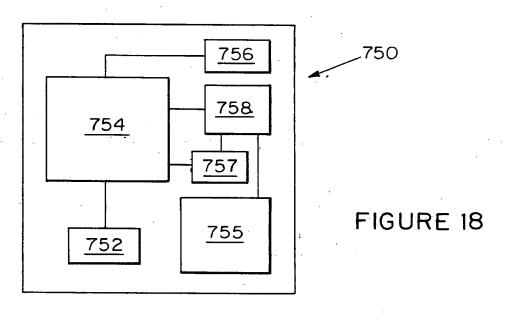
FIGURE 16K

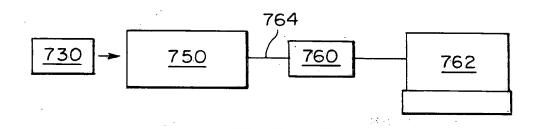
Inventors: Jeffrey Jacobsen, et al.

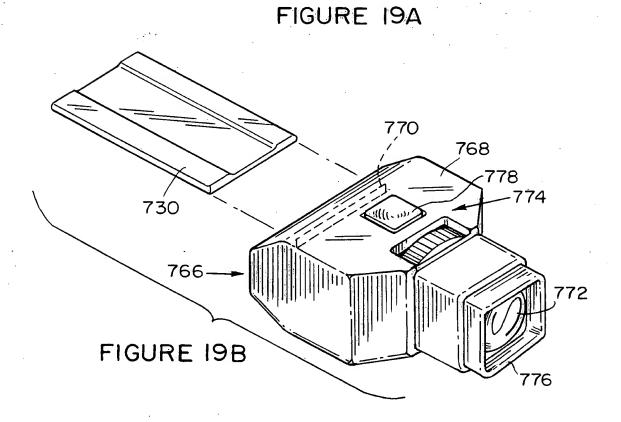
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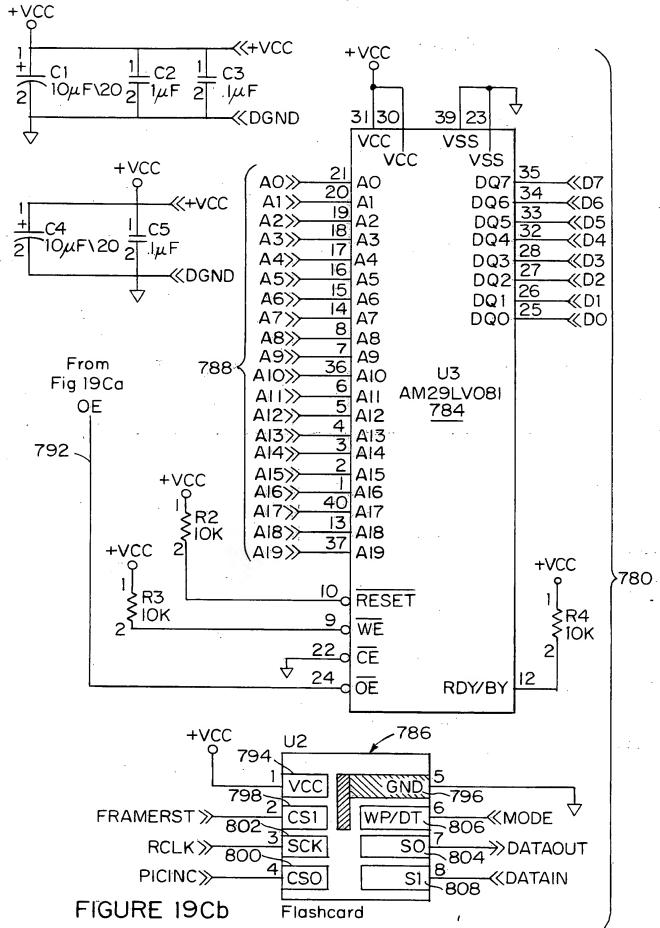
Appl'n No.: 08/966,985 Title: REFLECTIVE MICRODISPLAY FOR . . . Inventors: Jeffrey Jacobsen, et al. Replacement Sheet 62/69 FIGURE 19Ca «MODE (D2 (D3 (D4 05 788 ODGND 22 22 20 20 GND DGND 313029282726252423 1/0-TMS VCC <u></u> PZ5064TQFP 782 8 780 2004 +VCC QND GND 1/0 | 1/0 l. 1/0-TD0 0/1 0/1 0/1 35 170 36 GND 37 INO-CKD 38 IN2-GTSN 44 IN3 44 I/O-CK3 44 I/O-CK3 33 33 | 32 2 A12% A13% A14% 4 33**/**1 DGNDO **PICRS1** A4 A5 A6 PCLK〉 FRAMERST〉 DATAIN

少DATAOUT

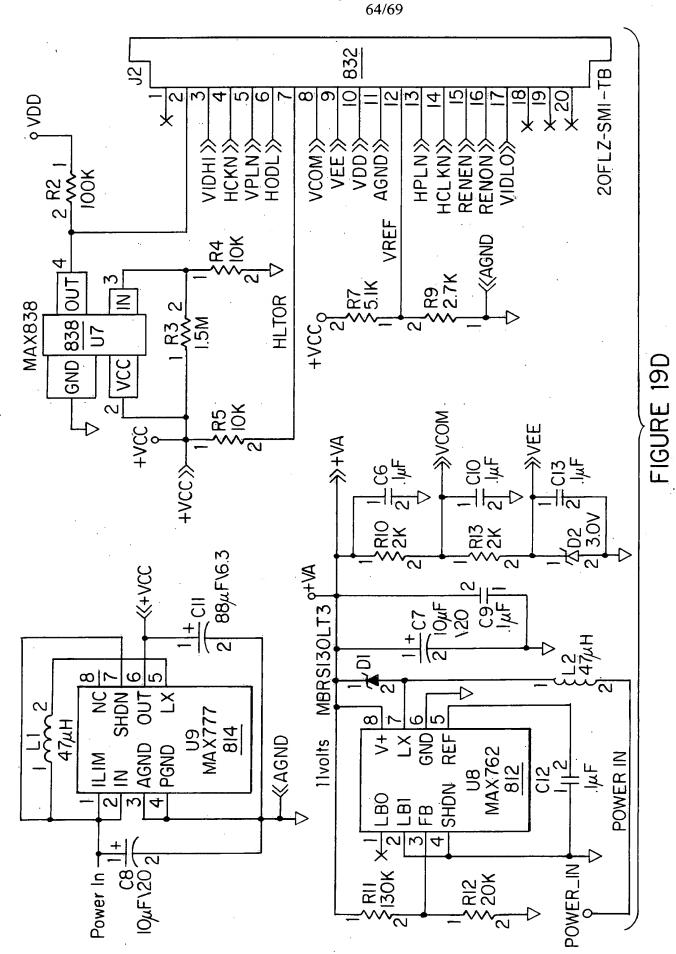
A0 A.I A2 A3

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FIGURE 19Ea

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66/69 +VCC +VCC> C1 IO F\20 \_ C2 .1µF .C3 .IμF DGND>>> +VCC VCC **GND FRAMERST** RST WE ≪MODE PCLK>> CLK OUT ⇒ DATAOUT PICINC> INC IN ≪DATAIN J١ <u>816</u> Flashconn +VDD>> 13 V+ NOI COMI **≫**VIDHI DATAOUT ( INI NC2 COM2 IN<sub>2</sub> VCOM≫ СОМЗ NC3 → VIDLO **IN3** NO4 6 VEE≫ COM4 8 12 N.C. **IN4 U4** MAX393 830 GND V-AGND>>

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FIGURE 19Eb

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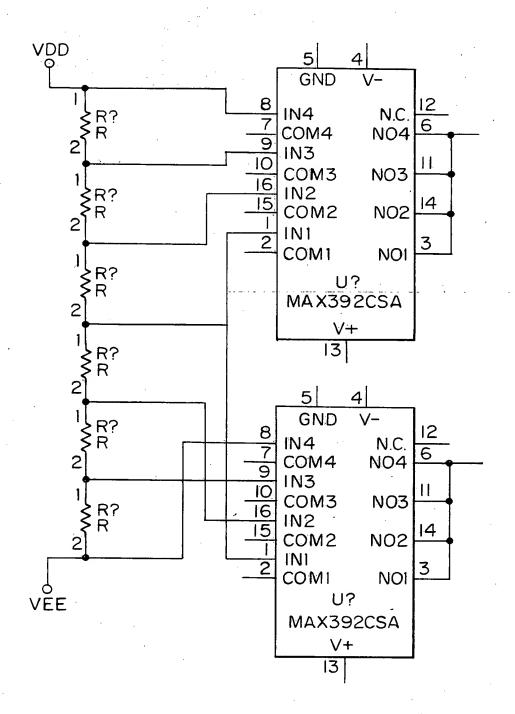
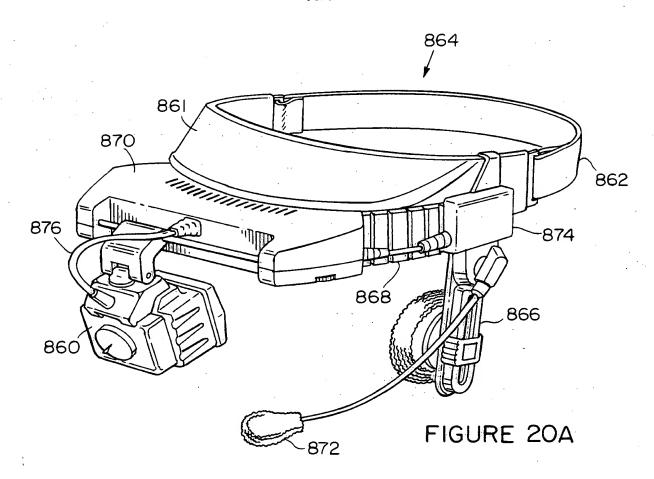
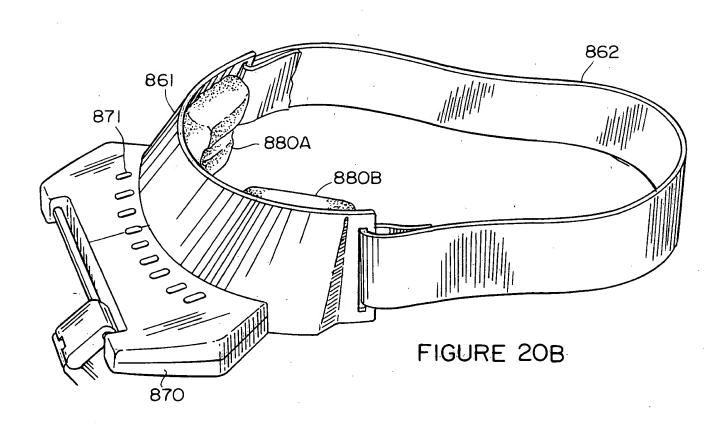


FIGURE 19F

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